European Food Safety Authority

ZOONOSES MONITORING

Sweden

TRENDS AND SOURCES OF ZOONOSES AND ZOONOTIC AGENTS IN FOODSTUFFS, ANIMALS AND FEEDINGSTUFFS

including information on foodborne outbreaks, antimicrobial resistance in zoonotic and indicator bacteria and some pathogenic microbiological agents

IN 2015

PREFACE

This report is submitted to the European Commission in accordance with Article 9 of Council Directive 2003/99/ EC*. The information has also been forwarded to the European Food Safety Authority (EFSA).

The report contains information on trends and sources of zoonoses and zoonotic agents in Sweden during the year 2015.

The information covers the occurrence of these diseases and agents in animals, foodstuffs and in some cases also in feedingstuffs. In addition the report includes data on antimicrobial resistance in some zoonotic agents and indicator bacteria as well as information on epidemiological investigations of foodborne outbreaks. Complementary data on susceptible animal populations in the country is also given. The information given covers both zoonoses that are important for the public health in the whole European Union as well as zoonoses, which are relevant on the basis of the national epidemiological situation.
The report describes the monitoring systems in place and the prevention and control strategies applied in the country. For some zoonoses this monitoring is based on legal requirements laid down by the European Union legislation, while for the other zoonoses national approaches are applied.

The report presents the results of the examinations carried out in the reporting year. A national evaluation of the epidemiological situation, with special reference to trends and sources of zoonotic infections, is given. Whenever possible, the relevance of findings in foodstuffs and animals to zoonoses cases in humans is evaluated.
The information covered by this report is used in the annual European Union Summary Reports on zoonoses and antimicrobial resistance that are published each year by EFSA.

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* Directive 2003/ 99/ EC of the European Parliament and of the Council of 12 December 2003 on the monitoring of zoonoses and zoonotic agents, amending Decision 90/ 424/ EEC and repealing Council Directive 92/ 117/ EEC, OJ L 325, 17.11.2003, p. 31

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1 ANIMAL POPULATIONS

The relevance of the findings on zoonoses and zoonotic agents has to be related to the size and nature of the animal population in the country

1.1 Populations

1.1.1 Information on susceptible animal population

Dates the figures relate to and the content of the figures

Most of the data relates to 2015.

Definitions used for different types of animals, herds, flocks and holdings as well as the types covered by the information

The definitions used in EU legislation are also used in Sweden.

National evaluation of the numbers of susceptible population and trends in these figures

The total number of horses were estimated to be 362,700 in 2010 and the number of locations to 77,800. The number of dairy cows and heifers has been decreasing over long period of time in Sweden. In June 2015 there were about 29% less animals than in 1995. Since 2010 the number of animals has decrease with about 3,800 animals. The last years the number of dairy cows and heifers has been about the same. The number of dairy holdings has decreased with 233 holdings between 2014 and 2015. However, herd size has increased from about 78 to 81 dairy cows and heifers per holding in Sweden and since 1995 the average herd size has increased from 27 animals per holding. For calves (under 1 year), between 2014 and 2015, there was a decrease in the number of animals in June. In 2014 there were about 472,000 calves in 15,706 holdings and in 2015 there were 466,017 calves in 15,186 holdings. The herd size has increased approximately by 18% since 2010. For meat production animals it has in recent years been a decrease in the number of animals, and so also between 2014 and 2015. In 2015 there were 184,094 animals in 10 405 holding compared to 186,260 animals and 10,663 holdings in 2014. This is about 17% more meat production animals than in 1995. Between 1995 and 2014 the herd size for meat production animals has increased by 92%. In Sweden there has since 1995 been an approximately 41% decrease of pigs in total. Also the number of holdings have had a down going trend. Between 2012 and 2013, on the other hand, there was a slight increase of number of animals but the numbers are decreasing again since 2013. The average herd size in 2015 were 1 104 pigs per holding. This is a slight increase in Sweden since 2014 and it is a decrease by about 28% since 2010. In 2014 Sweden had about 830,000 fattening pigs, a decrease since previous year with about 26,000 animals. The number of holdings also decreased, with 101 holdings. The average herd size, with 845 fattening pigs per holding is an increase with 54 holdings since 2014 and an increased by 440% since 1995. Since 2010, it was a decrease of about 27% of animals per holdings, but with a slight increase between 2012 and 2013. Also for breeding animals there was a small increase in the number of animals between year 2012 and 2013. Between 2013 and 2014 there was a decrease in the number of breeding pigs and the decrease continued in 2015. Also for the number of holdings. Between June 2014 and 2015 the number of breeding animals decreased by 2% and the number of holding increased with 71 holdings. The number of breading animals were in 1995 about 31 animals/holding and where in 2015 about 108 animals per holding. Since the beginning of the 21^st^ century the numbers of sheep and lambs increased during the years. But this up going trend was changed in 2011 and between 2012 and 2013 there was a decrease in the number of sheep and sheep holdings. Between 2013 and 2014 the number of animals and holdings started to slightly to increase again and the increase continued between 2014 and 2015. The number of lambs in 2015 increased with 4 624 animals and sheep increased with 1 372 animals compared to 2014. The total number of sheep has increased by about 29% since 1995. The number of holdings has increased with 159 holdings between 2014 and 2015 and with 453 holdings since 2010 but has decreased with 890 holdings since 1995. In June 2015 there were estimated to be 7,571,087 laying hens at farms. This is about 24% more animals than in 1995. The number of holdings with laying hens has decreased by 69% since 1995. In 1995 there was an average flock size of 642 animals per flock, in 2010 the flock size was 1 637 and in 2015 it was 2 587 animals. The number of broiler holdings increased by about 7% from 2014 and 2015 and the number of animal increased from about 7,911,012 animals in 2014 to about 8,443,326 animals in 2015.

Geographical distribution and size distribution of the herds, flocks and holdings

Most farms are located in the south and central parts of Sweden and animal husbandry is the dominant line of production. In the north of Sweden there are mostly small farms.

2 FOODBORNE OUTBREAKS

Foodborne outbreaks are incidences of two or more human cases of the same disease or infection where the cases are linked or are probably linked to the same food source. Situation, in which the observed human cases exceed the expected number of cases and where a same food source is suspected, is also indicative of a foodborne outbreak.

2.1 Outbreaks

2.1.1 Foodborne outbreaks

System in place for identification, epidemological investigations and reporting of foodborne outbreaks

The municipal environmental and public health authorities are responsible for detecting and preventing food and waterborne diseases. Epidemiological investigation and treatment of individuals are the responsibilities of the regional infectious disease authority and the general practitioner. The Public Health Agency of Sweden is responsible for outbreak investigations on a national level. The municipal environmental are required to report the results of outbreak investigations to the Swedish National Food Agency (NFA). Based on the reports received, and completed with information from The Public Health Agency of Sweden, NFA prepares a yearly report. Up to and including 2015, the reporting system has mainly been web based.

Description of the types of outbreaks covered by the reporting:

The reporting system covers both general and household outbreaks, and outbreaks caused by toxins. The system also includes chemicals, but if such agents are identified they are removed from the dataset which is used for the report to Efsa.

National evaluation of the reported outbreaks in the country:

Trends in numbers of outbreaks and numbers of human cases involved

With the current reporting system it is difficult to detect any significant trends, because of difficulties in obtaining comparable data from all local authorities. During 2015, the National Food Agency initially planned to launch a new web based template for food outbreak reporting. However due to technical problems the new template is delayed. A national report is prepared later during this year. For reports from earlier years, please see
[*http://www.livsmedelsverket.se/sok/?q=matf%c3%b6rgiftning*](http://www.livsmedelsverket.se/sok/?q=matf%c3%b6rgiftning)

ANIMAL POPULATION TABLES

Table Susceptible animal population

		Population			
Animal species	**Category of animals**	**holding**	**animal**	**slaughter animal (heads)**	**herd/flock**
Cattle (bovine animals)	Cattle (bovine animals)	17,466	1,475,525	428,220	
	Cattle (bovine animals) - calves (under 1 year)	15,186	466,017	21,780	
	Cattle (bovine animals) - dairy cows and heifers	4,161	338,379		
	Cattle (bovine animals) - meat production animals	10,405	184,094		
Deer	Deer - farmed	376	20,984	5,629	
	Deer - farmed - fallow deer		16,349	4,673	
	Deer - farmed - red deer		4,635	956	
Ducks	Ducks			1,702	
	Ducks - meat production flocks - before slaughter				23
Gallus gallus (fowl)	Gallus gallus (fowl) - broilers	263	8,443,326	95,973,770	3,390
	Gallus gallus (fowl) - laying hens	2,927	7,571,087	3,648,880	
	Gallus gallus (fowl) - laying hens - adult				661
Geese	Geese			20,092	
	Geese - meat production flocks - before slaughter				37
Goats	Goats	2,999	14,212	1,174	
Pigs	Pigs	1,228	1,356,027	2,560,450	
	Pigs - breeding animals	1,317	141,797		
	Pigs - fattening pigs	982	830,257		
Reindeers	Reindeers - semi-domesticated	1,037	250,374	56,333	
Sheep	Sheep	9,110	594,753	289,390	
	Sheep - animals over 1 year	9,074	288,675	33,380	
	Sheep - animals under 1 year (lambs)	7,910	306,078	222,640	
Solipeds, domestic	Solipeds, domestic	77,800	362,700	3,050	
Turkeys	Turkeys			474,950	
	Turkeys - meat production flocks				144
Wild boars	Wild boars - farmed			12,634	

DISEASE STATUS TABLES

Table Bovine brucellosis in countries and regions that do not receive Community co-financing for eradication programme

Region	Number of animals serologically tested under investigations of suspect cases	Number of suspended herds under investigations of suspect cases	Number of seropositive animals under investigations of suspect cases	Number of animals positive to BST under investigations of suspect cases	Number of animals positive in microbiological testing under investigations of suspect cases	Number of herds with status officially free	Number of infected herds	Total number of animals	Number of herds tested under surveillance	Number of animals tested under surveillance	Total number of herds	Number of infected herds tested under surveillance	Number of herds tested under surveillance by bulk milk	Number of animals or pools tested under surveillance by bulk milk	Number of infected herds tested under surveillance by bulk milk	Number of notified abortions whatever cause	Number of isolations of Brucella infections	Number of abortions due to Brucella abortus	Number of animals tested by microbiology under investigations of suspect cases
SWEDEN	0	0	0	0	0	17,466	0	1,475,525	0	0	17,466	0	0	(1)	0	29	0	0	29

Table Ovine or Caprine brucellosis in countries and regions that do not receive Community co-financing for eradication programme

Region	Number of animals serologically tested under investigations of suspect cases	Number of suspended herds under investigations of suspect cases	Number of seropositive animals under investigations of suspect cases	Number of animals positive in microbiological testing under investigations of suspect cases	Number of herds with status officially free	Number of infected herds	Total number of animals	Number of herds tested under surveillance	Number of animals tested under surveillance	Total number of herds	Number of infected herds tested under surveillance	Number of animals tested by microbiology under investigations of suspect cases
SWEDEN	1	0	0	0	10,506	0	606,348	591	2,000	10,506	0	32

DISEASE STATUS TABLES

Table Bovine tuberculosis in countries and regions that do not receive Community co-financing for eradication programme

Region	Number of herds with status officially free	Number of infected herds	Total number of animals	Interval between routine tuberculin tests	Number of animals tested with tuberculin routine testing	Number of tuberculin tests carried out before the introduction into the herds	Number of animals with suspicious lesions of tuberculosis examined and submitted to histopathological and bacteriological examinations	Number of animals detected positive in bacteriological examination	Total number of herds
SWEDEN	17,466	0	1,475,525	(1)	0	0	4	0	17,466

Table Tuberculosis in farmed deer

Region	Number of infected herds	Number of herds with status free	Total number of animals	Interval between routine tuberculin tests	Number of animals tested with tuberculin routine testing	Number of tuberculin tests carried out before the introduction into the herds	Number of animals with suspicious lesions of tuberculosis examined and submitted to histopathological and bacteriological examinations	Number of animals detected positive in bacteriological examination	Total number of herds
SWEDEN	0	367	20,984	(1)	0	0	1	0	376

PREVALENCE TABLES

Table BRUCELLA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
SWEDEN	Cattle (bovine animals) - Farm - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	animal	29	0	Brucella	0
	Goats - Farm - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Convenient sampling	animal	73	0	Brucella	0
	Pigs - unspecified - Farm - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Convenient sampling	animal	750	0	Brucella	0
	Pigs - unspecified - Farm - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	animal	17	0	Brucella	0
	Sheep - meat production animals - Farm - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Convenient sampling	animal	1927	0	Brucella	0
	Sheep - meat production animals - Farm - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	animal	31	0	Brucella	0
	Sheep - meat production animals - Slaughterhouse - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	animal	1	0	Brucella	0

Table CAMPYLOBACTER in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
SWEDEN	Gallus gallus (fowl) - broilers - Slaughterhouse - Sweden - animal sample - caecum - Monitoring - active - Official sampling - Objective sampling	herd/flock	3759	437	Campylobacter jejuni	412
					thermotolerant Campylobacter, unspecified	25

Table CAMPYLOBACTER in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	All foodstuffs - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Campylobacter	0
	Dairy products (excluding cheeses) - dairy desserts - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Campylobacter	0
	Fish - raw - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Campylobacter	0
	Meat from bovine animals - meat products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	3	0	Campylobacter	0
	Meat from bovine animals - minced meat - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	4	0	Campylobacter	0
	Meat from bovine animals - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Campylobacter	0
	Meat from broilers (Gallus gallus) - fresh - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	4	0	Campylobacter	0
	Meat from broilers (Gallus gallus) - meat preparation - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	3	0	Campylobacter	0
	Meat from broilers (Gallus gallus) - meat products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	6	0	Campylobacter	0
	Meat from other animal species or not specified - meat products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Campylobacter	0
	Meat from other animal species or not specified - meat products - unspecified, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	6	0	Campylobacter	0
	Meat from other animal species or not specified - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Campylobacter	0
	Meat from pig - meat preparation - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	3	0	Campylobacter	0
	Meat from pig - meat products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Campylobacter	0
	Meat from sheep - meat products - cooked, ready-to-eat - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Campylobacter	0
	Milk from other animal species or unspecified - raw milk - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Campylobacter	0
	Other processed food products and prepared dishes - sandwiches - with meat - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Campylobacter	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Other processed food products and prepared dishes - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	18	0	Campylobacter	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	8	0	Campylobacter	0
	Ready-to-eat salads - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	8	0	Campylobacter	0
	Sauce and dressings - mayonnaise - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Campylobacter	0
	Sauce and dressings - mayonnaise - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Campylobacter	0
	Sauce and dressings - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	5	0	Campylobacter	0
	Sauce and dressings - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	3	0	Campylobacter	0
	Vegetables - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	9	0	Campylobacter	0

Table COXIELLA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	N of clinical affected herds	Zoonoses	N of units positive
SWEDEN	Cattle (bovine animals) - unspecified - Artificial insemination station - Sweden - animal sample - blood - Monitoring - Official sampling - Selective sampling	animal	40	0		Coxiella burnetii	0
	Cattle (bovine animals) - unspecified - Artificial insemination station - Sweden - animal sample - blood - Monitoring - Official sampling - Selective sampling	animal	6	0		Coxiella burnetii	0

Table CYSTICERCUS in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
SWEDEN	Cattle (bovine animals) - unspecified - Slaughterhouse - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Census	animal	428220	0	Cysticercus of Taenia saginata	0
	Pigs - unspecified - Slaughterhouse - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Census	animal	256050	0	Cysticercus of Taenia solium	0

Table ECHINOCOCCUS in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
SWEDEN	Cattle (bovine animals) - unspecified - Slaughterhouse - Sweden - animal sample - Surveillance - Official sampling - Census	animal	428220	0	Echinococcus granulosus complex	0
	Deer - farmed - Slaughterhouse - Sweden - animal sample - Surveillance - Official sampling - Census	animal	6664	0	Echinococcus granulosus complex	0
	Dogs - pet animals - Veterinary clinics - Sweden - animal sample - faeces - Monitoring - passive - Official sampling - Suspect sampling	animal	3	0	Echinococcus multilocularis	0
	Foxes - wild - Natural habitat - Sweden - animal sample - organ/tissue - Monitoring - active - Official sampling - Objective sampling	animal	1537	1	Echinococcus multilocularis	1
	Goats - Slaughterhouse - Sweden - animal sample - Surveillance - Official sampling - Census	animal	1174	0	Echinococcus granulosus complex	0
	Pigs - unspecified - Slaughterhouse - Sweden - animal sample - Surveillance - Official sampling - Census	animal	2560450	0	Echinococcus granulosus complex	0
	Raccoon dogs - wild - Natural habitat - Sweden - animal sample - organ/tissue - Monitoring - passive - Official sampling - Convenient sampling	animal	11	0	Echinococcus multilocularis	0
	Reindeers - semi-domesticated - Slaughterhouse - Sweden - animal sample - Surveillance - Official sampling - Census	animal	56333	0	Echinococcus granulosus complex	0
	Sheep - meat production animals - Slaughterhouse - Sweden - animal sample - Surveillance - Official sampling - Census	animal	289390	0	Echinococcus granulosus complex	0
	Solipeds, domestic - horses - Slaughterhouse - Sweden - animal sample - Surveillance - Official sampling - Census	animal	3050	0	Echinococcus granulosus complex	0
	Wild boars - wild - Slaughterhouse - Sweden - Not Available - Surveillance - Official sampling - Census	animal	12634	0	Echinococcus granulosus complex	0
	Wolves - wild - Natural habitat - Sweden - animal sample - organ/tissue - Monitoring - passive - Official sampling - Convenient sampling	animal	73	0	Echinococcus multilocularis	0
Södermanlands län	Foxes - wild - Natural habitat - Sweden - animal sample - organ/tissue - Monitoring - active - Official sampling - Objective sampling	animal	33	1	Echinococcus multilocularis	1

Table ESCHERICHIA COLI in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
SWEDEN	Cattle (bovine animals) - Farm - Sweden - animal sample - faeces - Monitoring - Official sampling - Suspect sampling	holding	2	0	Verocytotoxigenic E. coli (VTEC)	0
	Cattle (bovine animals) - Farm - Sweden - animal sample - faeces - Monitoring - Official sampling - Suspect sampling	holding	1	0	Verocytotoxigenic E. coli (VTEC)	0
	Cattle (bovine animals) - Slaughterhouse - Sweden - animal sample - faeces - Survey - national survey - Official sampling - Objective sampling	animal	1492	33	VTEC O157	33
	Sheep - mixed herds - Farm - Sweden - animal sample - faeces - Monitoring - Official sampling - Suspect sampling	holding	2	1	VTEC O121	1

Table ESCHERICHIA COLI in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Dairy products (excluding cheeses) - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	VTEC, unspecified	0
	Meat from bovine animals - fresh - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	15	6	VTEC, unspecified	6
	Meat from bovine animals - fresh - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	5	0	VTEC, unspecified	0
	Meat from bovine animals - minced meat - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	4	0	VTEC, unspecified	0
	Meat from bovine animals - minced meat - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	VTEC, unspecified	0
	Meat from sheep - fresh - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	9	8	VTEC, unspecified	8
	Other processed food products and prepared dishes - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	VTEC, unspecified	0

Table FRANCISELLA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
SWEDEN	Hares - wild - Natural habitat - Sweden - animal sample - organ/tissue - Monitoring - passive - Official sampling - Suspect sampling	animal	11	5	Francisella tularensis	5
	Hares - wild - Natural habitat - Sweden - animal sample - organ/tissue - Monitoring - passive - Official sampling - Suspect sampling	animal	54	26	Francisella tularensis	26

Table LISTERIA in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	All foodstuffs - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	3	0	Not Available	Listeria monocytogenes	3	0
	All foodstuffs - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	4	0	Not Available	Listeria monocytogenes	4	0
	Bakery products - desserts - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Not Available	Listeria monocytogenes	1	0
	Cheeses made from goats' milk - hard - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Cheeses made from goats' milk - hard - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Not Available	Listeria monocytogenes	1	0
	Cheeses made from goats' milk - soft and semi-soft - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Not Available	Listeria monocytogenes	1	0
	Cheeses, made from unspecified milk or other animal milk - hard - made from raw or low heat-treated milk - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Cheeses, made from unspecified milk or other animal milk - hard - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	22	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
	Cheeses, made from unspecified milk or other animal milk - hard - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	22	0	Not Available	Listeria monocytogenes	16	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	36	1	<= 100	Listeria monocytogenes	16	1
							>100	Listeria monocytogenes	16	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	36	1	Not Available	Listeria monocytogenes	23	1
	Cheeses, made from unspecified milk or other animal milk - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	2	2	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Cheeses, made from unspecified milk or other animal milk - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	2	Not Available	Listeria monocytogenes	2	2
	Crustaceans - shrimps - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Not Available	Listeria monocytogenes	2	0
	Crustaceans - unspecified - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	7	2	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	1	1
	Crustaceans - unspecified - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	7	2	Not Available	Listeria monocytogenes	7	2
	Dairy products (excluding cheeses) - ice-cream - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Dairy products (excluding cheeses) - ice-cream - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Not Available	Listeria monocytogenes	2	0
	Eggs - table eggs - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	14	0	Not Available	Listeria monocytogenes	14	0
	Fish - gravad /slightly salted - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	3	1	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Fish - gravad /slightly salted - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	3	1	Not Available	Listeria monocytogenes	3	1
	Fish - gravad /slightly salted - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	54	9	<= 100	Listeria monocytogenes	35	0
							>100	Listeria monocytogenes	35	0
	Fish - gravad /slightly salted - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	54	9	Not Available	Listeria monocytogenes	46	9
	Fish - marinated - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Fish - marinated - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Not Available	Listeria monocytogenes	1	0
	Fish - raw - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	4	0	<= 100	Listeria monocytogenes	4	0
							>100	Listeria monocytogenes	4	0
	Fish - raw - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	4	0	Not Available	Listeria monocytogenes	4	0
	Fishery products, unspecified - smoked - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	41	3	<= 100	Listeria monocytogenes	17	0
							>100	Listeria monocytogenes	17	0
	Fishery products, unspecified - smoked - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	41	3	Not Available	Listeria monocytogenes	33	3
	Fishery products, unspecified - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	64	5	<= 100	Listeria monocytogenes	16	0
							>100	Listeria monocytogenes	1	1
	Fishery products, unspecified - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	64	5	Not Available	Listeria monocytogenes	54	5
	Meat from bovine animals - meat preparation - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	2	1	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat from bovine animals - meat preparation - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	1	Not Available	Listeria monocytogenes	2	1
	Meat from bovine animals - meat products - pâté - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Meat from bovine animals - meat products - pâté - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Not Available	Listeria monocytogenes	2	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Meat from bovine animals - meat products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	9	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
	Meat from bovine animals - meat products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	9	0	Not Available	Listeria monocytogenes	8	0
	Meat from bovine animals - minced meat - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	10	5	<= 100	Listeria monocytogenes	7	0
							>100	Listeria monocytogenes	7	0
	Meat from bovine animals - minced meat - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	10	5	Not Available	Listeria monocytogenes	10	5
	Meat from bovine animals - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat from bovine animals - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Not Available	Listeria monocytogenes	1	0
	Meat from broilers (Gallus gallus) - meat products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	4	0	Not Available	Listeria monocytogenes	4	0
	Meat from other animal species or not specified - meat products - pâté - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	5	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Meat from other animal species or not specified - meat products - pâté - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	5	0	Not Available	Listeria monocytogenes	4	0
	Meat from other animal species or not specified - meat products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	10	0	<= 100	Listeria monocytogenes	4	0
							>100	Listeria monocytogenes	4	0
	Meat from other animal species or not specified - meat products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	10	0	Not Available	Listeria monocytogenes	6	0
	Meat from other animal species or not specified - meat products - unspecified, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	14	1	<= 100	Listeria monocytogenes	8	0
							>100	Listeria monocytogenes	8	0
	Meat from other animal species or not specified - meat products - unspecified, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	14	1	Not Available	Listeria monocytogenes	13	1
	Meat from other animal species or not specified - offal - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	3	0	Not Available	Listeria monocytogenes	3	0
	Meat from other animal species or not specified - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	5	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Meat from other animal species or not specified - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	5	0	Not Available	Listeria monocytogenes	3	0
	Meat from pig - meat preparation - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	7	1	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat from pig - meat preparation - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	7	1	Not Available	Listeria monocytogenes	7	1

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Meat from pig - meat products - cooked ham - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Not Available	Listeria monocytogenes	1	0
	Meat from pig - meat products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	48	0	<= 100	Listeria monocytogenes	18	0
							>100	Listeria monocytogenes	18	0
	Meat from pig - meat products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	48	0	Not Available	Listeria monocytogenes	42	0
	Meat from poultry, unspecified - meat products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat from poultry, unspecified - meat products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Not Available	Listeria monocytogenes	1	0
	Meat from sheep - meat products - cooked, ready-to-eat - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Not Available	Listeria monocytogenes	1	0
	Meat from sheep - minced meat - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Not Available	Listeria monocytogenes	1	0
	Meat from turkey - meat products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	7	0	Not Available	Listeria monocytogenes	7	0
	Meat from wild game - land mammals - meat products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Not Available	Listeria monocytogenes	1	0
	Milk from other animal species or unspecified - raw milk - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Not Available	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - sandwiches - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	9	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - sandwiches - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	9	0	Not Available	Listeria monocytogenes	9	0
	Other processed food products and prepared dishes - sandwiches - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	13	1	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - sandwiches - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	13	1	Not Available	Listeria monocytogenes	12	1
	Other processed food products and prepared dishes - sandwiches - with meat - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Not Available	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - sushi - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Not Available	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	77	1	<= 100	Listeria monocytogenes	4	0
							>100	Listeria monocytogenes	4	0
	Other processed food products and prepared dishes - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	77	1	Not Available	Listeria monocytogenes	73	1

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	169	0	<= 100	Listeria monocytogenes	8	0
							>100	Listeria monocytogenes	8	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	169	0	Not Available	Listeria monocytogenes	169	0
	Ready-to-eat salads - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	20	1	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
	Ready-to-eat salads - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	20	1	Not Available	Listeria monocytogenes	20	1
	Ready-to-eat salads - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	12	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Ready-to-eat salads - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	12	0	Not Available	Listeria monocytogenes	10	0
	Sauce and dressings - mayonnaise - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Sauce and dressings - mayonnaise - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Not Available	Listeria monocytogenes	2	0
	Sauce and dressings - mayonnaise - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Sauce and dressings - mayonnaise - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Not Available	Listeria monocytogenes	2	0
	Sauce and dressings - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	4	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Sauce and dressings - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	4	0	Not Available	Listeria monocytogenes	4	0
	Sauce and dressings - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	4	0	Not Available	Listeria monocytogenes	4	0
	Surimi - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	10	0	Not Available	Listeria monocytogenes	10	0
	Sweets - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Sweets - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Not Available	Listeria monocytogenes	1	0
	Vegetables - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	10	Gram	24	1	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
	Vegetables - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	24	1	Not Available	Listeria monocytogenes	24	1

Table LYSSAVIRUS in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
SWEDEN	Bats - wild - Natural habitat - Sweden - animal sample - brain - Surveillance - Official sampling - Suspect sampling	animal	1	0	Lyssavirus	0
	Cats - pet animals - Border inspection activities - Sweden - animal sample - brain - Surveillance - Official sampling - Selective sampling	animal	3	0	Lyssavirus	0
	Cats - pet animals - Veterinary clinics - Sweden - animal sample - brain - Surveillance - Official sampling - Suspect sampling	animal	3	0	Lyssavirus	0
	Dogs - pet animals - Border inspection activities - Sweden - animal sample - brain - Surveillance - Official sampling - Selective sampling	animal	20	0	Lyssavirus	0
	Dogs - pet animals - Veterinary clinics - Sweden - animal sample - brain - Surveillance - Official sampling - Suspect sampling	animal	5	0	Lyssavirus	0
	Foxes - wild - Natural habitat - Sweden - animal sample - brain - Surveillance - Official sampling - Suspect sampling	animal	1	0	Lyssavirus	0

Table MYCOBACTERIUM in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
SWEDEN	Cats - pet animals - Veterinary clinics - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	animal	3	3	Mycobacterium avium complex	3
	Cattle (bovine animals) - Slaughterhouse - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	animal	4	0	Mycobacterium	0
	Deer - farmed - Farm - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	animal	1	0	Mycobacterium	0
	Dogs - pet animals - Veterinary clinics - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	animal	4	0	Mycobacterium	0
	Pigs - unspecified - Slaughterhouse - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	animal	30	18	Mycobacterium avium complex	18
	Sheep - meat production animals - Slaughterhouse - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	animal	2	0	Mycobacterium	0

Table SALMONELLA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	N of flocks under control programme	Target verification	Total units tested	Total units positive	Zoonoses	N of units positive
SWEDEN	Birds - wild - Natural habitat - Sweden - animal sample - Monitoring - passive - Official sampling - Suspect sampling	animal		N_A	311	1	Salmonella 4,5,12:-:1,5	1
	Cats - pet animals - Veterinary clinics - Sweden - animal sample - faeces - Clinical investigations - Official sampling - Suspect sampling	animal		N_A	311	83	Salmonella Kottbus	1
							Salmonella spp., unspecified	52
							Salmonella Typhimurium	30
	Cattle (bovine animals) - unspecified - Farm - Sweden - animal sample - faeces - Control and eradication programmes - Official sampling - Suspect sampling	holding		N_A	62	12	Salmonella Aarhus	1
							Salmonella Dublin	6
							Salmonella Duesseldorf	1
							Salmonella Livingstone	1
							Salmonella Typhimurium	3
	Cattle (bovine animals) - unspecified - Slaughterhouse - Sweden - animal sample - lymph nodes - Control and eradication programmes - Official sampling - Objective sampling	animal		N_A	3756	3	Salmonella Agona	1
							Salmonella Duesseldorf	1
							Salmonella Typhimurium	1
	Dogs - pet animals - Veterinary clinics - Sweden - animal sample - faeces - Clinical investigations - Official sampling - Suspect sampling	animal		N_A	116	2	Salmonella Derby	1
							Salmonella Newport	1
	Ducks - meat production flocks - before slaughter - Farm - Sweden - environmental sample - boot swabs - Control and eradication programmes - Official sampling - Census	herd/flock		N_A	23	1	Salmonella Hessarek	1
	Gallus gallus (fowl) - broilers - before slaughter - Farm - Sweden - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census	herd/flock	3390	N_A	3390	13	Salmonella Epinay	2
							Salmonella Mbandaka	1
							Salmonella Meleagridis	2
							Salmonella Reading	2
							Salmonella Typhimurium	6
	Gallus gallus (fowl) - broilers - before slaughter - Farm - Sweden - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock	3390	Y	3390	13	Salmonella Epinay	2
							Salmonella Mbandaka	1
							Salmonella Meleagridis	2
							Salmonella Reading	2
							Salmonella Typhimurium	6
	Gallus gallus (fowl) - broilers - before slaughter - Farm - Sweden - environmental sample - boot swabs - Control and eradication programmes - Official sampling - Objective sampling	herd/flock	3390	N_A	147	0	Salmonella	0
	Gallus gallus (fowl) - grandparent breeding flocks for broiler production line - adult - Farm - Sweden - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock	20	Y	20	0	Salmonella	0
	Gallus gallus (fowl) - grandparent breeding flocks for broiler production line - during rearing period - Farm - Sweden - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock		N_A	18	0	Salmonella	0
	Gallus gallus (fowl) - laying hens - adult - Farm - Sweden - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock	661	Y	661	2	Salmonella Livingstone	2
	Gallus gallus (fowl) - laying hens - during rearing period - Farm - Sweden - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock		N_A	139	0	Salmonella	0
	Gallus gallus (fowl) - parent breeding flocks for broiler production line - adult - Farm - Sweden - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock	119	Y	119	1	Salmonella Typhimurium	1
	Gallus gallus (fowl) - parent breeding flocks for broiler production line - during rearing period - Farm - Sweden - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock		N_A	97	0	Salmonella	0
	Gallus gallus (fowl) - parent breeding flocks for egg production line - adult - Farm - Sweden - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock	15	Y	15	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	N of flocks under control programme	Target verification	Total units tested	Total units positive	Zoonoses	N of units positive
SWEDEN	Gallus gallus (fowl) - parent breeding flocks for egg production line - during rearing period - Farm - Sweden - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock		N_A	5	0	Salmonella	0
	Geese - meat production flocks - before slaughter - Farm - Sweden - environmental sample - boot swabs - Control and eradication programmes - Official sampling - Census	herd/flock		N_A	37	0	Salmonella	0
	Ostriches - farmed - Farm - Sweden - animal sample - faeces - Control and eradication programmes - Official sampling - Census	animal		N_A	45	0	Salmonella	0
	Pigs - breeding animals - unspecified - Farm - Sweden - animal sample - faeces - Control and eradication programmes - Official sampling - Suspect sampling	holding		N_A	3	1	Salmonella Reading	1
	Pigs - breeding animals - unspecified - Slaughterhouse - Sweden - animal sample - lymph nodes - Control and eradication programmes - Official sampling - Objective sampling	animal		N_A	1659	2	Salmonella Agona	1
							Salmonella Reading	1
	Pigs - fattening pigs - unspecified - Slaughterhouse - Sweden - animal sample - lymph nodes - Control and eradication programmes - Official sampling - Objective sampling	animal		N_A	2540	1	Salmonella Typhimurium	1
	Solipeds, domestic - horses - Veterinary clinics - Sweden - animal sample - faeces - Clinical investigations - Official sampling - Suspect sampling	herd/flock		N_A	44	2	Salmonella Typhimurium	2
	Turkeys - fattening flocks - before slaughter - Farm - Sweden - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census	herd/flock	144	N_A	123	0	Salmonella	0
	Turkeys - fattening flocks - before slaughter - Farm - Sweden - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock	144	Y	144	0	Salmonella	0
	Turkeys - fattening flocks - before slaughter - Farm - Sweden - environmental sample - boot swabs - Control and eradication programmes - Official sampling - Objective sampling	herd/flock	144	N_A	21	0	Salmonella	0
	Turkeys - parent breeding flocks - adult - Farm - Sweden - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock	4	Y	4	0	Salmonella	0
	Turkeys - parent breeding flocks - during rearing period - Farm - Sweden - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock		N_A	4	0	Salmonella	0

Table SALMONELLA in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	All foodstuffs - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	7	0	Salmonella	0
	All foodstuffs - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	11	0	Salmonella	0
	Bakery products - desserts - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - hard - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	4	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	13	0	Salmonella	0
	Crustaceans - shrimps - cooked - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Crustaceans - shrimps - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	10	0	Salmonella	0
	Crustaceans - unspecified - cooked - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Crustaceans - unspecified - raw - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Salmonella	0
	Crustaceans - unspecified - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	6	0	Salmonella	0
	Dairy products (excluding cheeses) - butter - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Dairy products (excluding cheeses) - cream - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Dairy products (excluding cheeses) - dairy desserts - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Dairy products (excluding cheeses) - dairy products, not specified - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	10	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Eggs - table eggs - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Eggs - table eggs - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Salmonella	0
	Eggs - table eggs - yolk - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Eggs - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Salmonella	0
	Fish - gravad /slightly salted - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Fish - raw - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Fish - raw - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	3	0	Salmonella	0
	Fishery products, unspecified - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	3	0	Salmonella	0
	Fishery products, unspecified - smoked - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	5	0	Salmonella	0
	Fishery products, unspecified - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	14	0	Salmonella	0
	Fruits - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Fruits - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	5	0	Salmonella	0
	Meat from bovine animals - fresh - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	30	0	Salmonella	0
	Meat from bovine animals - meat preparation - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	8	0	Salmonella	0
	Meat from bovine animals - meat products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	19	0	Salmonella	0
	Meat from bovine animals - minced meat - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	43	0	Salmonella	0
	Meat from bovine animals - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	3	0	Salmonella	0
	Meat from bovine animals and pig - fresh - Cutting plant - Not Available - food sample - meat - Control and eradication programmes - Official sampling - Objective sampling	batch (food/feed)	25	Gram	5285	2	Salmonella Typhimurium	2

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from broilers (Gallus gallus) - carcase - Slaughterhouse - Not Available - food sample - neck skin - Control and eradication programmes - Official sampling - Objective sampling	single (food/feed)	25	Gram	3217	0	Salmonella	0
	Meat from broilers (Gallus gallus) - carcase - spent hens - Slaughterhouse - Not Available - food sample - neck skin - Control and eradication programmes - Official sampling - Objective sampling	single (food/feed)	25	Gram	222	0	Salmonella	0
	Meat from broilers (Gallus gallus) - fresh - Cutting plant - Not Available - food sample - meat - Control and eradication programmes - Official sampling - Objective sampling	batch (food/feed)	25	Gram	856	0	Salmonella	0
	Meat from broilers (Gallus gallus) - fresh - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	21	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	4	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	13	0	Salmonella	0
	Meat from broilers (Gallus gallus) - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	5	0	Salmonella	0
	Meat from other animal species or not specified - meat preparation - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Meat from other animal species or not specified - meat products - pâté - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Salmonella	0
	Meat from other animal species or not specified - meat products - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Meat from other animal species or not specified - meat products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	27	0	Salmonella	0
	Meat from other animal species or not specified - meat products - unspecified, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	32	0	Salmonella	0
	Meat from other animal species or not specified - minced meat - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	7	0	Salmonella	0
	Meat from other animal species or not specified - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	4	0	Salmonella	0
	Meat from other animal species or not specified - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	11	0	Salmonella	0
	Meat from pig - fresh - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	5	0	Salmonella	0
	Meat from pig - meat preparation - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	8	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from pig - meat products - cooked ham - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Salmonella	0
	Meat from pig - meat products - cooked ham - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Meat from pig - meat products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	15	0	Salmonella	0
	Meat from pig - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Meat from poultry, unspecified - carcase - Slaughterhouse - Not Available - food sample - neck skin - Control and eradication programmes - Official sampling - Objective sampling	single (food/feed)	25	Gram	1104	0	Salmonella	0
	Meat from poultry, unspecified - fresh - Cutting plant - Not Available - food sample - meat - Control and eradication programmes - Official sampling - Objective sampling	batch (food/feed)	25	Gram	43	0	Salmonella	0
	Meat from sheep - meat products - cooked, ready-to-eat - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Salmonella	0
	Meat from sheep - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Meat from turkey - carcase - Slaughterhouse - Not Available - food sample - neck skin - Control and eradication programmes - Official sampling - Objective sampling	single (food/feed)	25	Gram	51	0	Salmonella	0
	Meat from turkey - fresh - Cutting plant - Not Available - food sample - meat - Control and eradication programmes - Official sampling - Objective sampling	batch (food/feed)	25	Gram	53	0	Salmonella	0
	Meat from wild game - land mammals - meat products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Meat from wild game - land mammals - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	4	0	Salmonella	0
	Milk from other animal species or unspecified - pasteurised milk - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Milk from other animal species or unspecified - raw milk - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Salmonella	0
	Mushrooms - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Nuts and nut products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Other processed food products and prepared dishes - pasta/rice salad - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Other processed food products and prepared dishes - sandwiches - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Other processed food products and prepared dishes - sandwiches - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	5	0	Salmonella	0
	Other processed food products and prepared dishes - sandwiches - with meat - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Other processed food products and prepared dishes - sushi - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Other processed food products and prepared dishes - sushi - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	1	0	Salmonella	0
	Other processed food products and prepared dishes - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	139	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	170	0	Salmonella	0
	Ready-to-eat salads - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	207	0	Salmonella	0
	Ready-to-eat salads - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	31	0	Salmonella	0
	Sauce and dressings - mayonnaise - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	4	0	Salmonella	0
	Sauce and dressings - mayonnaise - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Salmonella	0
	Sauce and dressings - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	52	0	Salmonella	0
	Sauce and dressings - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	33	0	Salmonella	0
	Soups - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	8	0	Salmonella	0
	Soups - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	3	0	Salmonella	0
	Spices and herbs - fresh - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	4	0	Salmonella	0
	Spices and herbs - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	139	8	Salmonella Enteritidis PT 13a	8
	Sweets - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Salmonella	0
	Vegetables - products - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	6	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Vegetables - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	59	0	Salmonella	0
	Water - Retail - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Salmonella	0
	Water - Unspecified - Not Available - food sample - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	2	0	Salmonella	0
SWEDEN	Meat from bovine animals - carcase - Slaughterhouse - Sweden - food sample - carcase swabs - Control and eradication programmes - Official sampling - Objective sampling	single (food/feed)	10	Gram	3786	0	Salmonella	0
	Meat from pig - carcase - Slaughterhouse - Sweden - food sample - carcase swabs - Control and eradication programmes - Official sampling - Objective sampling	single (food/feed)	10	Gram	1659	0	Salmonella	0
					2517	0	Salmonella	0

Table SALMONELLA in feed

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Compound feedingstuffs for fur animal - process control - non-pelleted/meal - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	24	1	Salmonella Typhimurium	1
	Compound feedingstuffs for horses - process control - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - HACCP and own check - Objective sampling	single (food/feed)	25	Gram	52	0	Salmonella	0
	Compound feedingstuffs, not specified - final product - Feed mill - Sweden - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	17	0	Salmonella	0
	Compound feedingstuffs, not specified - final product - Unspecified - Unknown - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	14	0	Salmonella	0
	Compound feedingstuffs, not specified - process control - Feed mill - Sweden - environmental sample - fabric swab - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	181	2	Salmonella Typhimurium	2
	Compound feedingstuffs, not specified - process control - Feed mill - Sweden - environmental sample - Surveillance - HACCP and own check - Objective sampling	single (food/feed)	25	Gram	8960	17	Salmonella Brandenburg	2
							Salmonella Mbandaka	2
							Salmonella Schleissheim	1
							Salmonella Senftenberg	2
							Salmonella Soerenga	1
							Salmonella Typhimurium	9
	Compound feedingstuffs, not specified - process control - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	8	0	Salmonella	0
	Feed material of cereal grain origin - barley derived - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - HACCP and own check - Objective sampling	single (food/feed)	25	Gram	8	0	Salmonella	0
	Feed material of cereal grain origin - barley derived - Unspecified - European Union - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	8	0	Salmonella	0
	Feed material of cereal grain origin - barley derived - Unspecified - Sweden - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	4	0	Salmonella	0
	Feed material of cereal grain origin - maize derived - Unspecified - European Union - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	57	0	Salmonella	0
	Feed material of cereal grain origin - maize derived - Unspecified - Unknown - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	7	0	Salmonella	0
	Feed material of cereal grain origin - oat derived - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - HACCP and own check - Objective sampling	single (food/feed)	25	Gram	48	0	Salmonella	0
	Feed material of cereal grain origin - oat derived - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	2	0	Salmonella	0
	Feed material of cereal grain origin - oat derived - Unspecified - Sweden - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	4	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Feed material of cereal grain origin - other cereal grain derived - by-products of brewing and distilling - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - HACCP and own check - Objective sampling	single (food/feed)	25	Gram	607	7	Salmonella Agona	2
							Salmonella Kedougou	5
	Feed material of cereal grain origin - other cereal grain derived - by-products of brewing and distilling - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	2	0	Salmonella	0
	Feed material of cereal grain origin - other cereal grain derived - by-products of brewing and distilling - Unspecified - Sweden - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	112	0	Salmonella	0
	Feed material of cereal grain origin - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - HACCP and own check - Objective sampling	single (food/feed)	25	Gram	28	0	Salmonella	0
	Feed material of cereal grain origin - rice derived - Unspecified - European Union - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	2	0	Salmonella	0
	Feed material of cereal grain origin - wheat derived - Unspecified - Sweden - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	120	0	Salmonella	0
	Feed material of land animal origin - animal fat - Unspecified - Sweden - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	4	0	Salmonella	0
	Feed material of land animal origin - blood meal - Unspecified - European Union - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	2	0	Salmonella	0
	Feed material of land animal origin - blood meal - Unspecified - Sweden - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	13	0	Salmonella	0
	Feed material of land animal origin - dairy products - Unspecified - Sweden - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	6	0	Salmonella	0
	Feed material of land animal origin - egg powder - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	3	0	Salmonella	0
	Feed material of land animal origin - greaves - Unspecified - Sweden - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	272	0	Salmonella	0
	Feed material of land animal origin - meat and bone meal - Unspecified - European Union - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	18	0	Salmonella	0
	Feed material of land animal origin - meat meal - Unspecified - European Union - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	14	0	Salmonella	0
	Feed material of land animal origin - meat meal - Unspecified - Sweden - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	2	0	Salmonella	0
	Feed material of land animal origin - poultry offal meal - Unspecified - European Union - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	18	0	Salmonella	0
	Feed material of land animal origin - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - HACCP and own check - Objective sampling	single (food/feed)	25	Gram	5	0	Salmonella	0
	Feed material of land animal origin - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	59	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Feed material of land animal origin - protein meal - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - HACCP and own check - Objective sampling	single (food/feed)	25	Gram	828	2	Salmonella spp., unspecified	2
	Feed material of land animal origin - protein meal - Unspecified - Sweden - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	689	0	Salmonella	0
	Feed material of land animal origin - Unspecified - Sweden - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	2	0	Salmonella	0
	Feed material of land animal origin - Unspecified - Unknown - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	1	0	Salmonella	0
	Feed material of marine animal origin - fish meal - Unspecified - European Union - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	68	1	Salmonella Infantis	1
	Feed material of marine animal origin - fish meal - Unspecified - Non European Union - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	1	0	Salmonella	0
	Feed material of oil seed or fruit origin - groundnut derived - Unspecified - Non European Union - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	1	0	Salmonella	0
	Feed material of oil seed or fruit origin - linseed derived - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - HACCP and own check - Objective sampling	single (food/feed)	25	Gram	4	0	Salmonella	0
	Feed material of oil seed or fruit origin - linseed derived - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	10	0	Salmonella	0
	Feed material of oil seed or fruit origin - linseed derived - Unspecified - European Union - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	1	0	Salmonella	0
	Feed material of oil seed or fruit origin - linseed derived - Unspecified - Sweden - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	1	0	Salmonella	0
	Feed material of oil seed or fruit origin - palm kernel derived - Unspecified - Non European Union - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	44	1	Salmonella Emek	1
	Feed material of oil seed or fruit origin - rape seed derived - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - HACCP and own check - Objective sampling	single (food/feed)	25	Gram	808	2	Salmonella Cubana	2
	Feed material of oil seed or fruit origin - rape seed derived - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	16	0	Salmonella	0
	Feed material of oil seed or fruit origin - rape seed derived - Unspecified - European Union - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	245	9	Salmonella Kentucky	1
							Salmonella Mbandaka	3
							Salmonella Senftenberg	5
	Feed material of oil seed or fruit origin - rape seed derived - Unspecified - Sweden - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	349	0	Salmonella	0
	Feed material of oil seed or fruit origin - rape seed derived - Unspecified - Unknown - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	107	0	Salmonella	0
	Feed material of oil seed or fruit origin - soya (bean) derived - Unspecified - European Union - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	75	1	Salmonella Mbandaka	1

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Feed material of oil seed or fruit origin - soya (bean) derived - Unspecified - Non European Union - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	148	1	Salmonella Senftenberg	1
	Feed material of oil seed or fruit origin - soya (bean) derived - Unspecified - Unknown - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	126	2	Salmonella Mbandaka	2
	Feed material of oil seed or fruit origin - sunflower seed derived - Unspecified - European Union - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	44	4	Salmonella Senftenberg	4
	Feed material of oil seed or fruit origin - sunflower seed derived - Unspecified - Non European Union - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	1	0	Salmonella	0
	Feed material of oil seed or fruit origin - sunflower seed derived - Unspecified - Unknown - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	45	0	Salmonella	0
	Feed material of oil seed or fruit origin - Unspecified - Sweden - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	10	0	Salmonella	0
	Other feed material - beet - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - HACCP and own check - Objective sampling	single (food/feed)	25	Gram	4	0	Salmonella	0
	Other feed material - beet - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	4	0	Salmonella	0
	Other feed material - beet - Unspecified - Sweden - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	13	0	Salmonella	0
	Other feed material - legume seeds and similar products - Unspecified - Sweden - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	12	0	Salmonella	0
	Other feed material - minerals - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - HACCP and own check - Objective sampling	single (food/feed)	25	Gram	13	0	Salmonella	0
	Other feed material - other plants - Unspecified - Sweden - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	36	0	Salmonella	0
	Other feed material - other plants - Unspecified - Unknown - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	4	0	Salmonella	0
	Other feed material - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	22	0	Salmonella	0
	Other feed material - tubers, roots and similar products - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - HACCP and own check - Objective sampling	single (food/feed)	25	Gram	53	0	Salmonella	0
	Other feed material - tubers, roots and similar products - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	6	0	Salmonella	0
	Other feed material - Unspecified - Sweden - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	12	0	Salmonella	0
	Other feed material - vegetable - Unspecified - Unknown - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	6	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Other feed material - yeast - Unspecified - Sweden - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	6	0	Salmonella	0
	Pet food - dog snacks (pig ears, chewing bones) - Unspecified - European Union - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	27	3	Salmonella Bredeney	1
							Salmonella Mbandaka	1
							Salmonella Senftenberg	1
	Pet food - dog snacks (pig ears, chewing bones) - Unspecified - Unknown - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	6	0	Salmonella	0
	Pet food - final product - Unspecified - Sweden - feed sample - Surveillance - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	134	0	Salmonella	0
	Pet food - final product - Unspecified - Unknown - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	1	0	Salmonella	0
					5	0	Salmonella	0
					12	0	Salmonella	0
	Pet food - process control - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - HACCP and own check - Objective sampling	single (food/feed)	25	Gram	638	3	Salmonella Typhimurium	1
							Salmonella Urbana	2
	Pet food - process control - Processing plant - Sweden - environmental sample - fabric swab - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	50	0	Salmonella	0
	Premixtures - final product - Unspecified - Unknown - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	1	0	Salmonella	0
	Premixtures - process control - Feed mill - Sweden - environmental sample - fabric swab - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	21	0	Salmonella	0

Table TRICHINELLA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
SWEDEN	Badgers - wild - Natural habitat - Sweden - animal sample - organ/tissue - Monitoring - passive - Official sampling - Convenient sampling	animal	5	0	Trichinella	0
	Bears - wild - Hunting - Sweden - animal sample - organ/tissue - Monitoring - Official sampling - Convenient sampling	animal	180	1	Trichinella nativa	1
	Beavers - wild - Natural habitat - Sweden - animal sample - organ/tissue - Monitoring - passive - Official sampling - Convenient sampling	animal	2	0	Trichinella	0
	Foxes - wild - Natural habitat - Sweden - animal sample - organ/tissue - Monitoring - passive - Official sampling - Convenient sampling	animal	2	0	Trichinella	0
	Pigs - breeding animals - not raised under controlled housing conditions - boars - Slaughterhouse - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Census	animal	690	0	Trichinella	0
	Pigs - breeding animals - not raised under controlled housing conditions - sows - Slaughterhouse - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Census	animal	20751	0	Trichinella	0
	Pigs - breeding animals - raised under controlled housing conditions - boars - Slaughterhouse - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Census	animal	468	0	Trichinella	0
	Pigs - breeding animals - raised under controlled housing conditions - sows - Slaughterhouse - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Census	animal	26042	0	Trichinella	0
	Pigs - fattening pigs - not raised under controlled housing conditions - Slaughterhouse - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Census	animal	379332	0	Trichinella	0
	Pigs - fattening pigs - raised under controlled housing conditions - Slaughterhouse - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	animal	1039058	0	Trichinella	0
	Seals - wild - Natural habitat - Sweden - animal sample - organ/tissue - Monitoring - passive - Official sampling - Convenient sampling	animal	1	0	Trichinella	0
	Solipeds, domestic - horses - Slaughterhouse - Sweden - animal sample - organ/tissue - Surveillance - Official sampling - Census	animal	2934	0	Trichinella	0
	Wild boars - wild - Hunting - Sweden - animal sample - organ/tissue - Monitoring - Official sampling - Objective sampling	animal	89497	1	Trichinella britovi	1
	Wolves - wild - Natural habitat - Sweden - animal sample - organ/tissue - Monitoring - passive - Official sampling - Convenient sampling	animal	46	0	Trichinella	0

FOODBORNE OUTBREAKS TABLES

Foodborne Outbreaks: summarized data

		Outbreak strenght	Strong			Weak			
Causative agent	Food vehicle	N outbreaks	N human cases	N hospitalized	N deaths	N outbreaks	N human cases	N hospitalized	N deaths
Campylobacter, unspecified sp.	Unknown					1	2	(1)	(1)
Cryptosporidium parvum	Unknown					1	82	(1)	(1)
Histamine	Fish and fish products	2	22	0	(2)	5	12	(2)	(5)
	Unknown					1	2	(1)	(1)
Listeria monocytogenes - serovar 4b	Mixed food	1	13	1	(1)				
	Unknown					1	2	(1)	(1)
Norovirus	Crustaceans, shellfish, molluscs and products thereof					1	24	(1)	(1)
	Fruit, berries and juices and other products thereof	1	65	(1)	(1)				
	Tap water, including well water	1	550	3	(1)				
	Bakery products					2	41	1	(2)
	Mixed food					6	271	(4)	(6)
	Buffet meals	1	600	(1)	(1)	2	97	(2)	(2)
	Unknown					10	406	(8)	(10)
Salmonella	Buffet meals					1	5	(1)	(1)
Salmonella Enteritidis PT 1	Unknown					1	70	(1)	(1)
Salmonella Enteritidis PT 13a	Herbs and spices	1	184	(1)	(1)				
Salmonella Oranienburg	Unknown					1	12	(1)	(1)
Shigella sonnei	Vegetables and juices and other products thereof	1	42	(1)	(1)				
Unknown	Mixed food					3	61	(3)	(3)
	Buffet meals					1	11	(1)	(1)
	Unknown					284	980	14	(1)
Verocytotoxigenic E. coli (VTEC)	Unknown					2	7	1	(2)
VTEC O103	Unknown					1	45	(1)	(1)
VTEC O26	Unknown					1	43	(1)	(1)

Strong Foodborne Outbreaks: detailed data

Causative agent	Other Causative Agent	FBO nat. code	Outbreak type	Food vehicle	More food vehicle info	Nature of evidence	Setting	Place of origin of problem	Origin of food vehicle	Contributory factors	Comment	N outbreaks	N human cases	N hosp.	N deaths
Histamine	unknown	15/0283	Not Available	Fish and fish products	Grilled Tuna	Detection of causative agent in food vehicle or its component - Symptoms and onset of illness pathognomonic to causative agent	Not Available	unknown	India	NOT AVAILABLE	3409 mg/kg. The longest incubation period 0.2 hours.	1	6	1	(1)
		15/0435	Not Available	Fish and fish products	Mackerel	Detection of causative agent in food vehicle or its component - Symptoms and onset of illness pathognomonic to causative agent	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	unknown	Not Available	NOT AVAILABLE	2300 mg/ kg. The most common incubation period 0.5 hour.	1	16	(1)	(1)
Listeria monocytogenes - serovar 4b	unknown	15/0417	Not Available	Mixed food	Likely dill which then contaminated crustaceans and cheese	Descriptive epidemiological evidence$Detection of causative agent in food chain or its environment - Detection of indistinguishable causative agent in humans$Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans	Not Available	unknown	Not Available	NOT AVAILABLE	The detection in the food chain was dill. Wholegenome sequensing show that finding in cases and in food is connected.. Three different groups which indepentently of each other bought the cruatceans.became ill. The thought is that the sequence of events is as follows: The dill, contaminated with Listeria, was added to the already cooked crustaceans and that the cheese was contaminated during eating.	1	13	1	(1)
Norovirus	Calicivirus - sapovirus (Sapporo-like virus)$Rotavirus	V16/0002	Not Available	Tap water, including well water	N_A	Descriptive epidemiological evidence$Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans	Not Available	Water distribution system	Not Available	NOT AVAILABLE	http://www.kristianstad.se/PageFiles/104859/Slutrapport%20Smittat%20vatten%20i%20Ever%c3%b6d,%20%c3%96stra%20S%c3%b6nnarsl%c3%b6v%20och%20Huar%c3%b6d.pdf	1	550	3	(1)

Causative agent	Other Causative Agent	FBO nat. code	Outbreak type	Food vehicle	More food vehicle info	Nature of evidence	Setting	Place of origin of problem	Origin of food vehicle	Contributory factors	Comment	N outbreaks	N human cases	N hosp.	N deaths
Norovirus	unknown	16/0046	Not Available	Buffet meals	salladbuffet - likely cabbage	Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans	Not Available	unknown	Not Available	NOT AVAILABLE	Norovirus Genogrupp II detected in case and in cabbage.. Day 1 for salladbuffet RR= 2.0 95% CI (1.3-3.0). Day 2 for salladbuffet RR = 2.7 95 % CI (1.8-4.1)	1	600	(1)	(1)
		16/0250	Not Available	Fruit, berries and juices and other products thereof	Raspberries	Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans	Residential institution (nursing home or prison or boarding school)	unknown	Serbia	NOT AVAILABLE	Genogroup II	1	65	(1)	(1)
Salmonella Enteritidis PT 13a	unknown	16/0249	Not Available	Herbs and spices	N_A	Descriptive epidemiological evidence$Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans	Not Available	unknown	Not Available	NOT AVAILABLE	RASFF 2015.0873 and http://eurosurveillance.org/ViewArticle.aspx?ArticleId=21194 It was noted that one company in Polen had delivered dried vegetables to the four different spice mixes that came up during the investigation.. However not the same kind of dried vegetables to all foour mixes.	1	184	(1)	(1)
Shigella sonnei	unknown	16/0255	Not Available	Vegetables and juices and other products thereof	Coriander	Descriptive epidemiological evidence	Not Available	unknown	Not Available	NOT AVAILABLE	A kohort studie was made on one group who visisted one of the restaurants. The studie pointed at raitayoughurt which had fresh coriander as an ingredient. Common for cases was fresh coriander from a specifik company. Wholegenomsequencing, of the shigella isolated from cases which had eaten at different resaturants, show that the isolates were identical. This indicate also a common source of the infection.	1	42	(1)	(1)

Weak Foodborne Outbreaks: detailed data

Causative agent	Other Causative Agent	FBO nat. code	Outbreak type	Food vehicle	More food vehicle info	Nature of evidence	Setting	Place of origin of problem	Origin of food vehicle	Contributory factors	Comment	N outbreaks	N human cases	N hosp.	N deaths
Campylobacter, unspecified sp.	unknown	15/03 80	Not Available	Unknown	N_A	Unknown	Not Available	unknown	Not Available	NOT AVAILABLE	N_A	1	2	(1)	(1)
Cryptosporidium parvum	unknown	16/02 57	Not Available	Unknown	N_A	Unknown	Others	unknown	Not Available	NOT AVAILABLE	National meeting for a proffesion group. . To eat any of the lunches during the meetingdays was connected to RR = 2.14 95 % CI 0,93-4,94	1	82	(1)	(1)
Histamine	unknown	15/03 93	Not Available	Fish and fish products	Mackerel	Descriptive epidemiological evidence	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	unknown	Norway	NOT AVAILABLE	Agent not isolated but typical symtoms Skinflushing , headache, heart palpitations, diarrhoea and incubationtime less than 1 hour	1	2	(1)	(1)
		15/04 02	Not Available	Fish and fish products	Tuna	Descriptive epidemiological evidence	Not Available	unknown	Not Available	NOT AVAILABLE	Agent not isolated but reasonably typical symtoms Skinflushing itching, svollen lips red eyes, vomiting, diarrhoea and incubation time equal to or less than 0.5 hour	1	3	2	(1)
		15/04 29	Not Available	Unknown	N_A	Unknown	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	unknown	Not Available	NOT AVAILABLE	91 mg/kg. However no data on symptoms or incubationtime.	1	2	(1)	(1)
		15/04 66	Not Available	Fish and fish products	Tunapizza	Descriptive epidemiological evidence	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	unknown	Not Available	NOT AVAILABLE	Agent not isolated but typical symtoms Skinflushing , headache, ithicing and pain in the mouth. Symptoms came immedialtely.	1	2	(1)	(1)
		16/00 79	Not Available	Fish and fish products	Tuna fresh	Descriptive epidemiological evidence	Not Available	unknown	Not Available	NOT AVAILABLE	Agent not isolated but reasonably typical symtoms Skinflushing itching and shortest incubation time one hour	1	2	(1)	(1)
		16/01 41	Not Available	Fish and fish products	Mackerel plate	Detection of causative agent in food vehicle or its component - Symptoms and onset of illness pathognomonic to causative agent	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	unknown	Not Available	NOT AVAILABLE	97 mg/kg Incubation period 30 minutes, duration 4 hours, Skinflushing , headache, diarrhoea. Incuabtion period 0.5 -4 hours	1	3	(1)	(1)

Causative agent	Other Causative Agent	FBO nat. code	Outbreak type	Food vehicle	More food vehicle info	Nature of evidence	Setting	Place of origin of problem	Origin of food vehicle	Contributory factors	Comment	N outbreaks	N human cases	N hosp.	N deaths
Listeria monocytogenes - serovar 4b	unknown	16/0253	Not Available	Unknown	N_A	Unknown	Not Available	unknown	Not Available	NOT AVAILABLE	Wholegenomesequensing connected the cases	1	2	(1)	(1)
Norovirus	unknown	15/0164	Not Available	Mixed food	Seafood platters	Descriptive epidemiological evidence	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	unknown	Not Available	NOT AVAILABLE	Norovirus detected in case.	1	12	(1)	(1)
		15/0218	Not Available	Buffet meals	N_A	Descriptive epidemiological evidence	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	unknown	Not Available	NOT AVAILABLE	Norovirus detected in case.	1	14	(1)	(1)
		15/0303	Not Available	Unknown	N_A	Unknown	Not Available	unknown	Not Available	NOT AVAILABLE	Norovirus isolated from case, 2 pos of 2 tested	1	70	(1)	(1)
		15/0306	Not Available	Mixed food	Berry smothies or buffet sallad	Descriptive epidemiological evidence	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	unknown	Not Available	NOT AVAILABLE	Norovirus detected in case.	1	155	1	(1)
		15/0340	Not Available	Unknown	N_A	Unknown	Not Available	unknown	Not Available	NOT AVAILABLE	Norovirus isolated from case. 4 pos of 5 tested	1	12	(1)	(1)
		15/0346	Not Available	Mixed food	N_A	Descriptive epidemiological evidence	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	unknown	Not Available	NOT AVAILABLE	Norovirus detected in case.	1	35	(1)	(1)
		15/0348	Not Available	Mixed food	N_A	Descriptive epidemiological evidence	Residential institution (nursing home or prison or boarding school)	unknown	Not Available	NOT AVAILABLE	Norovirus detected in case.	1	14	(1)	(1)

Causative agent	Other Causative Agent	FBO nat. code	Outbreak type	Food vehicle	More food vehicle info	Nature of evidence	Setting	Place of origin of problem	Origin of food vehicle	Contributory factors	Comment	N outbreaks	N human cases	N hosp.	N deaths
Norovirus	unknown	15/04 18	Not Available	Buffet meals	N_A	Descriptive epidemiological evidence	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	unknown	Not Available	NOT AVAILABLE	Norovirus detected in case.	1	83	(1)	(1)
		15/04 55	Not Available	Unknown	N_A	Unknown	Residential institution (nursing home or prison or boarding school)	unknown	Not Available	NOT AVAILABLE	Norovirus isolated from case. 1 pos of 1 tested..	1	7	(1)	(1)
		16/00 24	Not Available	Unknown	N_A	Unknown	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	unknown	Not Available	NOT AVAILABLE	Norovirus isolated from case. 1 pos of 1 tested..	1	2	1	(1)
		16/00 36	Not Available	Unknown	N_A	Unknown	Not Available	unknown	Not Available	NOT AVAILABLE	Norovirus isolated from case. 1 pos of 1 tested..	1	46	(1)	(1)
		16/00 47	Not Available	Unknown	N_A	Unknown	Not Available	unknown	Not Available	NOT AVAILABLE	Norovirus isolated from case. 3 pos of 3 tested..	1	51	(1)	(1)
		16/00 49	Not Available	Mixed food	N_A	Descriptive epidemiological evidence$Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans	Not Available	unknown	Not Available	NOT AVAILABLE	Private party. With approximately 75 guests. Norovirus genogroup I isoltaed from case. Norovirus genogroup II isolated from salsa from the same batch that was served on the farm but the sample was taken from salsa that never was at the place for the party.	1	47	(1)	(1)
		16/00 52	Not Available	Bakery products	Sandwich	Descriptive epidemiological evidence	Not Available	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	Not Available	NOT AVAILABLE	Four persons in the restaurant staff were positive for Norovirus genogoup I , one of them had made the sandwiches. 25 of the cases occured at one location and 5 of the cases at another location (16/0095). Both groups ate sanwiches made at the same restaurant.. Norovirus genogroup 1 detected in case.	1	30	2	(1)
		16/01 44	Not Available	Unknown	N_A	Unknown	Take-away or fast-food outlet	unknown	Not Available	NOT AVAILABLE	Norovirus isolated from case. 10 pos of 12 tested..	1	116	(1)	(1)
		16/01 63	Not Available	Unknown	N_A	Unknown	Not Available	unknown	Not Available	NOT AVAILABLE	Norovirus isolated from case.	1	5	(1)	(1)

Causative agent	Other Causative Agent	FBO nat. code	Outbreak type	Food vehicle	More food vehicle info	Nature of evidence	Setting	Place of origin of problem	Origin of food vehicle	Contributory factors	Comment	N outbreaks	N human cases	N hosp.	N deaths
Norovirus	unknown	16/01 92	Not Available	Bakery products	Sandwich cake	Descriptive epidemiological evidence	Not Available	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	Not Available	NOT AVAILABLE	Cases came from several groups with the thing in common that they had eaten sandwich or sanwichcake from the cafe. Norovirus detected in case.	1	11	(1)	(1)
		16/02 47	Not Available	Unknown	N_A	Unknown	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	unknown	Not Available	NOT AVAILABLE	Norovirus isolated from case. 5 pos of 5 tested..	1	92	(1)	(1)
		16/02 52	Not Available	Mixed food	N_A	Descriptive epidemiological evidence	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	unknown	Not Available	NOT AVAILABLE	One group with approxmiately 10 persons and anotrher single person ate lunch at the restarurant.. Seven out of ten at the dessertcake and allthe seven became ill. The single person also became ill. The chef also ate the desertcake and tested positive for norovirus. Norovirus also detected in case.	1	8	(1)	(1)
		16/02 54	Not Available	Unknown	N_A	Unknown	Not Available	unknown	Not Available	NOT AVAILABLE	Norovirus detected in strawberries from china genogroup II. 5 persons ate smothies with strawberries from china and became ill. However 2 caes were sampeld with negative result. No information about symptoms.	1	5	(1)	(1)
		16/02 62	Not Available	Crustaceans, shellfish, molluscs and products thereof	Oysters	Descriptive epidemiological evidence	Not Available	unknown	France	Unprocessed contaminated ingredient	A calcultion with 2 x 2 tables point at oysters with 13.9 90 % CI (1.5-133). To the evidence is also included that oysters, from another producer in France closely located to the producer in this outbreak, have been part of outbreak investigations. These investigations and this outbreak were reasonably close in time. In one of these investigations Norovirus was isolated from case. A note was sent in relation to these outbreaks, note nr 196668	1	24	(1)	(1)
Salmonella	unknown	15/03 94	Not Available	Buffet meals	N_A	Descriptive epidemiological evidence	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	unknown	Not Available	Unprocessed contaminated ingredient	Salmonella isolated from the 5 cases	1	5	(1)	(1)
Salmonella Enteritidis PT 1	unknown	16/02 51	Not Available	Unknown	N_A	Unknown	Not Available	unknown	Not Available	NOT AVAILABLE	http://www.eurosurveillance.org/ViewArticle.aspx?ArticleId=21133 .	1	70	(1)	(1)

Causative agent	Other Causative Agent	FBO nat. code	Outbreak type	Food vehicle	More food vehicle info	Nature of evidence	Setting	Place of origin of problem	Origin of food vehicle	Contributory factors	Comment	N outbreaks	N human cases	N hosp.	N deaths
Salmonella Oranienburg	unknown	16/02256	Not Available	Unknown	N_A	Unknown	Not Available	unknown	Not Available	NOT AVAILABLE	Isolated from case. 12 pos of 12 tested.	1	12	(1)	(1)
Unknown	unknown	15/03350	Not Available	Mixed food	Chickensalla d	Descriptive epidemiological evidence	Restauran t or Cafe or Pub or Bar or Hotel or Catering service	unknown	Not Available	NOT AVAILABLE	All 20 had eaten at the same fastfood/cafe esatblishment..	1	20	(1)	(1)
		15/04009	Not Available	Mixed food	N_A	Descriptive epidemiological evidence	School or kindergart en	unknown	Not Available	NOT AVAILABLE	9 kids and 4 adults became il with vomiting (11) and diarrhoea (2)l. The most common incubation period was one hour and the most common duration was 6 hours. The food came with catering. .	1	13	(1)	(1)
		15/04078	Not Available	Buffet meals	N_A	Descriptive epidemiological evidence	Residentia l institution (nursing home or prison or boarding school)	unknown	Not Available	NOT AVAILABLE	Private party . Food prepared at retailshop. All participants became ill 24-48 hours after the party.	1	11	(1)	(1)
		16/00081	Not Available	Mixed food	Vegetarian plate	Descriptive epidemiological evidence	Canteen or workplace catering	unknown	Not Available	NOT AVAILABLE	All 28 had eaten the vegtarian plate. The restaurant is only for the staff from one company.	1	28	(1)	(1)
		N_A	Not Available	Unknown	N_A	Unknown	Not Available	unknown	Not Available	NOT AVAILABLE	N_A	284	980	14	(1)
Verocytotoxigenic E. coli (VTEC)	unknown	16/01021	Not Available	Unknown	N_A	Unknown	Not Available	unknown	Not Available	NOT AVAILABLE	Isolated from case. 2 pos of 2 tested.	1	2	2	(1)
		16/01168	Not Available	Unknown	N_A	Unknown	Not Available	unknown	Not Available	NOT AVAILABLE	Isolated from case. 5 pos of 40 tested.	1	5	(1)	(1)
VTEC O103	unknown	16/02061	Not Available	Unknown	N_A	Unknown	Not Available	unknown	Not Available	NOT AVAILABLE	Isolated from case. 45 pos of 45 tested. (23 cases in 2015) . All cases are not ill, they just test posiitive.The outbreak is ongoing.. Cases connected through wholegenomesequencing.	1	45	(1)	(1)
VTEC O26	unknown	16/02060	Not Available	Unknown	N_A	Unknown	Not Available	unknown	Not Available	NOT AVAILABLE	VT1 pos, eae pos Isolated from case. 43 pos of 43 tested. (21 cases in 2015) . All cases are not ill, they just test posiitive.The outbreak is ongoing.. Cases connected through wholegenomesequencing.	1	43	(1)	(1)

ANTIMICROBIAL RESISTANCE TABLES FOR CAMPYLOBACTER

Table Antimicrobial susceptibility testing of Campylobacter coli in Pigs - fattening pigs - unspecified

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - active

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ciprofloxacin	Erythromycin (Erythromycin A)	Gentamicin	Nalidixic acid	Streptomycin	Tetracycline
	ECOFF	**0.5**	**8**	**2**	**16**	**4**	**2**
	Lowest limit	**0.12**	**1**	**0.12**	**1**	**0.25**	**0.5**
	Highest limit	**16**	**128**	**16**	**64**	**32**	**64**
	N of tested isolates	**107**	**107**	**107**	**107**	**107**	**107**
MIC	**N of resistant isolates**	**44**	**0**	**0**	**45**	**58**	**2**
0.25		19		2			
0.5				61			
1				43		1	1
2			25	1	1	12	1
4		8			19	36	
8		24			36	2	
16		11			6		
>16		1					
32					1	7	1
>32						49	
64					10		1
>64					34		
<=0.12		44					
<=0.5							103
<=1			82				

Table Antimicrobial susceptibility testing of Campylobacter jejuni in Cattle (bovine animals) - unspecified

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - faeces

Sampling Context: Monitoring - active

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ciprofloxacin	Erythromycin (Erythromycin A)	Gentamicin	Nalidixic acid	Streptomycin	Tetracycline
	ECOFF	**0.5**	**4**	**2**	**16**	**4**	**1**
	Lowest limit	**0.12**	**1**	**0.12**	**1**	**0.25**	**0.5**
	Highest limit	**16**	**128**	**16**	**64**	**32**	**64**
	N of tested isolates	**23**	**23**	**23**	**23**	**23**	**23**
MIC	**N of resistant isolates**	**2**	**0**	**0**	**2**	**0**	**1**
0.25		1		10			
0.5				13		3	
1						18	
2					2	2	
4					13		
8		2			6		
16							1
>64					2		
<=0.12		20					
<=0.5							22
<=1			23				

ANTIMICROBIAL RESISTANCE TABLES FOR SALMONELLA

Table Antimicrobial susceptibility testing of Salmonella 4,5,12:-:1,5 in Birds - wild

Sampling Stage: Natural habitat

Sampling Type: animal sample - organ/tissue

Sampling Context: Monitoring - passive

Sampler: Official sampling

Sampling Strategy: Suspect sampling

Programme Code: OTHER AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	8	0.5	2	16	0.06	2	16	2	16	16	16	256	8	2
	Lowest limit	1	0.016	0.25	2	0.008	0.5	4	0.12	8	1	2	8	1	0.12
	Highest limit	128	2	16	64	1	4	32	16	16	128	256	1024	128	16
	N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MIC	N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.016						1									
0.12			1												
0.5				1					1						
4					1						1				
8								1							
64													1		
<=0.12															1
<=0.5							1								
<=1		1												1	
<=2												1			
<=8										1					

Table Antimicrobial susceptibility testing of Salmonella Aarhus in Cattle (bovine animals) - unspecified

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Suspect sampling

Programme Code: OTHER AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.016						1									
0.12			1												
0.25															1
0.5				1					1						
4					1						1	1			
8								1							
64													1		
<=0.5							1								
<=1		1												1	
<=8										1					

Table Antimicrobial susceptibility testing of Salmonella Agona in Pigs - breeding animals - unspecified

Sampling Stage: Slaughterhouse | Sampling Type: animal sample - lymph nodes | Sampling Context: Surveillance

Sampler: Official sampling | Sampling Strategy: Objective sampling | Programme Code: OTHER AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.016						1									
0.12			1												
0.25															1
0.5				1					1						
4					1						1				
8								1							
16												1			
32													1		
<=0.5							1								
<=1		1												1	
<=8										1					

Table Antimicrobial susceptibility testing of Salmonella Agona in Cattle (bovine animals) - unspecified

Sampling Stage: Slaughterhouse | Sampling Type: animal sample - lymph nodes | Sampling Context: Surveillance

Sampler: Official sampling | Sampling Strategy: Objective sampling | Programme Code: OTHER AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.03						1									
0.12			1												
0.25															1
0.5				1					1						
1							1								
4											1				
8					1			1				1			
32													1		
<=1		1												1	
<=8										1					

Table Antimicrobial susceptibility testing of Salmonella Derby in Dogs - pet animals

Sampling Stage: Veterinary clinics

Sampling Type: animal sample - faeces

Sampling Context: Clinical investigations

Sampler: Official sampling

Sampling Strategy: Suspect sampling

Programme Code: OTHER AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.03						1									
0.12			1												
0.5															1
1				1			1		1						
4											1				
8					1			1							
16												1			
64													1		
<=1		1												1	
<=8										1					

Table Antimicrobial susceptibility testing of Salmonella Dublin in Cattle (bovine animals) - unspecified

Sampling Stage: Farm | Sampling Type: animal sample - faeces | Sampling Context: Surveillance

Sampler: Official sampling | Sampling Strategy: Suspect sampling | Programme Code: OTHER AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**6**	**6**	**6**	**6**	**6**	**6**	**6**	**6**	**6**	**6**	**6**	**6**	**6**	**6**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.016						2									
0.03			3			3									
0.06			3			1									
0.25									1						1
0.5									5						4
1															1
2							6							1	
4					3						5				
8					1			1			1	4			
16												2			
32													4		
64													2		
<=0.25				6											
<=1		6												5	
<=2					2										
<=4								5							
<=8										6					

Table Antimicrobial susceptibility testing of Salmonella Duesseldorf in Cattle (bovine animals) - unspecified

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Suspect sampling

Programme Code: OTHER AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.016						1									
0.06			1												
1									1						1
4											1				
8												1			
64													1		
<=0.25				1											
<=0.5							1								
<=1		1												1	
<=2					1										
<=4								1							
<=8										1					

Table Antimicrobial susceptibility testing of Salmonella Duesseldorf in Cattle (bovine animals) - unspecified

Sampling Stage: Slaughterhouse | Sampling Type: animal sample - lymph nodes | Sampling Context: Surveillance

Sampler: Official sampling | Sampling Strategy: Objective sampling | Programme Code: OTHER AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.03						1									
0.06			1												
0.25															1
1							1		1						
2											1				
4					1										
16												1			
64													1		
<=0.25				1											
<=1		1												1	
<=4								1							
<=8										1					

Table Antimicrobial susceptibility testing of Salmonella enterica, subspecies diarizonae in Sheep

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Monitoring - active

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.016						1									
0.03						1									
0.06			2			1									
0.12			1												
0.25									2						2
0.5									1						1
1							1								
2											1				
4											2				
16												3			
32													2		
64													1		
<=0.25				3											
<=0.5							2								
<=1		3												3	
<=2					3										
<=4								3							
<=8										3					

Table Antimicrobial susceptibility testing of Salmonella Epinay in Gallus gallus (fowl) - broilers

Sampling Stage: Farm

Sampling Type: environmental sample - boot swabs

Sampling Context: Control and eradication programmes

Sampler: Official and industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.03						1									
0.06			2			1									
0.25															1
0.5									1						1
1							1		1						
4					2						2				
>4							1								
8								1							
16												2			
32													1		
64													1		
<=0.25				2											
<=1		2												2	
<=4								1							
<=8										2					

Table Antimicrobial susceptibility testing of Salmonella Hessarek in Ducks - meat production flocks - before slaughter

Sampling Stage: Farm

Sampling Type: environmental sample - boot swabs

Sampling Context: Control and eradication programmes

Sampler: Official and industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.03						1									
0.06			1												
0.25															1
1							1		1						
4					1						1	1			
64													1		
<=0.25				1											
<=1		1												1	
<=4								1							
<=8										1					

Table Antimicrobial susceptibility testing of Salmonella Kottbus in Cats - pet animals

Sampling Stage: Veterinary clinics

Sampling Type: animal sample - faeces

Sampling Context: Clinical investigations

Sampler: Official sampling

Sampling Strategy: Suspect sampling

Programme Code: OTHER AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.06						1									
0.12			1												
0.25															1
0.5									1						
1							1								
4					1						1				
16												1			
32													1		
<=0.25				1											
<=1		1												1	
<=4								1							
<=8										1					

Table Antimicrobial susceptibility testing of Salmonella Livingstone in Cattle (bovine animals) - unspecified

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Suspect sampling

Programme Code: OTHER AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.12			1												
0.25															1
0.5				1					1						
1						1	1								
4					1										
8												1			
16											1				
32													1		
<=1		1												1	
<=4								1							
<=8										1					

Table Antimicrobial susceptibility testing of Salmonella Livingstone in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: environmental sample - boot swabs

Sampling Context: Control and eradication programmes

Sampler: Official and industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.06			1			2									
0.12			1												
0.5				1					2						2
1							1								
2														1	
4					2						2				
8								2				2			
16										1					
32													1		
64													1		
<=0.25				1											
<=0.5							1								
<=1		2												1	
<=8										1					

Table Antimicrobial susceptibility testing of Salmonella Mbandaka in Gallus gallus (fowl) - broilers

Sampling Stage: Farm

Sampling Type: environmental sample - boot swabs

Sampling Context: Control and eradication programmes

Sampler: Official and industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.03						1									
0.12			1												
0.25															1
0.5				1											
1									1						
4					1						1				
8								1							
16												1			
64													1		
<=0.5							1								
<=1		1												1	
<=8										1					

Table Antimicrobial susceptibility testing of Salmonella Meleagridis in Gallus gallus (fowl) - broilers

Sampling Stage: Farm

Sampling Type: environmental sample - boot swabs

Sampling Context: Control and eradication programmes

Sampler: Official and industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.03						1									
0.06						1									
0.12			2												
0.25															2
0.5				2					2						
2							1								
4					2						2	1			
>4							1								
8												1			
64													2		
<=1		2												2	
<=4								2							
<=8										2					

Table Antimicrobial susceptibility testing of Salmonella Newport in Dogs - pet animals

Sampling Stage: Veterinary clinics

Sampling Type: animal sample - faeces

Sampling Context: Clinical investigations

Sampler: Official sampling

Sampling Strategy: Suspect sampling

Programme Code: OTHER AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.03						1									
0.12			1												
0.5				1											1
1							1		1						
4					1						1				
8								1							
16												1			
32													1		
<=1		1												1	
<=8										1					

Table Antimicrobial susceptibility testing of Salmonella Reading in Pigs - breeding animals - unspecified

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.03						1									
0.12			1												
0.25															1
0.5				1											
1							1		1						
4					1						1				
8								1							
16										1		1			
128													1		
<=1		1												1	

Table Antimicrobial susceptibility testing of Salmonella Reading in Gallus gallus (fowl) - broilers

Sampling Stage: Farm

Sampling Type: environmental sample - boot swabs

Sampling Context: Control and eradication programmes

Sampler: Official and industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.03						2									
0.06			1												
0.12			1												
0.25															1
0.5				1					2						1
1							2								
4					2						2				
8								2							
16												2			
64													2		
<=0.25				1											
<=1		2												2	
<=8										2					

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Cats - pet animals

Sampling Stage: Veterinary clinics | Sampling Type: animal sample - faeces | Sampling Context: Clinical investigations

Sampler: Official sampling | Sampling Strategy: Suspect sampling | Programme Code: OTHER AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.016						3									
0.03						4									
0.06			7			3									
0.12			3												
0.25									1						5
0.5				5					9						4
1							4								1
2							4								
4					8						9				
8											1	4			
16												6			
32													3		
64													5		
128													2		
<=0.25				5											
<=0.5							2								
<=1		10												10	
<=2					2										
<=4								10							
<=8										10					

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Cattle (bovine animals) - unspecified

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Suspect sampling

Programme Code: OTHER AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	8	0.5	2	16	0.06	2	16	2	16	16	16	256	8	2
	Lowest limit	1	0.016	0.25	2	0.008	0.5	4	0.12	8	1	2	8	1	0.12
	Highest limit	128	2	16	64	1	4	32	16	16	128	256	1024	128	16
	N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
MIC	N of resistant isolates	3	0	0	0	0	0	0	0	0	0	3	3	0	2
0.03						3									
0.06			2												
0.12			1												
0.25															1
0.5				1					3						
2							2								
4					3						2				
8											1				
>16															2
128												1			
>128		3													
256												2			
>1024													3		
<=0.25				2											
<=0.5							1								
<=1														3	
<=4								3							
<=8										3					

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Cattle (bovine animals) - unspecified

Sampling Stage: Slaughterhouse | Sampling Type: animal sample - lymph nodes | Sampling Context: Surveillance

Sampler: Official sampling | Sampling Strategy: Objective sampling | Programme Code: OTHER AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.06						1									
0.12			1												
0.5									1						1
1							1								
2														1	
4					1						1				
16												1			
64													1		
<=0.25				1											
<=1		1													
<=4								1							
<=8										1					

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Pigs - fattening pigs - unspecified

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - lymph nodes

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	8	0.5	2	16	0.06	2	16	2	16	16	16	256	8	2
	Lowest limit	1	0.016	0.25	2	0.008	0.5	4	0.12	8	1	2	8	1	0.12
	Highest limit	128	2	16	64	1	4	32	16	16	128	256	1024	128	16
	N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MIC	N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.03						1									
0.06			1												
0.25															1
0.5									1						
1							1								
4					1						1				
16												1			
64													1		
<=0.25				1											
<=1		1												1	
<=4								1							
<=8										1					

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Gallus gallus (fowl) - broilers

Sampling Stage: Farm

Sampling Type: environmental sample - boot swabs

Sampling Context: Control and eradication programmes

Sampler: Official and industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**6**	**6**	**6**	**6**	**6**	**6**	**6**	**6**	**6**	**6**	**6**	**6**	**6**	**6**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.03			1			2									
0.06			3			4									
0.12			2												
0.25									1						5
0.5				1					3						1
1							5		2						
2							1				2			1	
4					5						3				
8												1			
16												5			
32													3		
64													3		
<=0.25				5											
<=1		6									1			5	
<=2					1										
<=4								6							
<=8										6					

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Solipeds, domestic - horses

Sampling Stage: Veterinary clinics

Sampling Type: animal sample - faeces

Sampling Context: Clinical investigations

Sampler: Official sampling

Sampling Strategy: Suspect sampling

Programme Code: OTHER AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	8	0.5	2	16	0.06	2	16	2	16	16	16	256	8	2
	Lowest limit	1	0.016	0.25	2	0.008	0.5	4	0.12	8	1	2	8	1	0.12
	Highest limit	128	2	16	64	1	4	32	16	16	128	256	1024	128	16
	N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MIC	N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.016						1									
0.03						1									
0.06			1												
0.12			1												
0.25															2
0.5				1					2						
1							2								
4					2						2				
16												2			
64													2		
<=0.25				1											
<=1		2												2	
<=4								2							
<=8										2					

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Gallus gallus (fowl) - parent breeding flocks for broiler production line - adult

Sampling Stage: Farm

Sampling Type: environmental sample - boot swabs

Sampling Context: Control and eradication programmes

Sampler: Official and industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Florfenicol	Gentamicin	Kanamycin	Nalidixic acid	Streptomycin	Sulfamethoxazole	Tetracycline	Trimethoprim
	ECOFF	**8**	**0.5**	**2**	**16**	**0.06**	**2**	**16**	**2**	**16**	**16**	**16**	**256**	**8**	**2**
	Lowest limit	**1**	**0.016**	**0.25**	**2**	**0.008**	**0.5**	**4**	**0.12**	**8**	**1**	**2**	**8**	**1**	**0.12**
	Highest limit	**128**	**2**	**16**	**64**	**1**	**4**	**32**	**16**	**16**	**128**	**256**	**1024**	**128**	**16**
	N of tested isolates	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
MIC	**N of resistant isolates**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0.06			1			1									
0.25															1
1							1		1						
2											1				
16												1			
64													1		
<=0.25				1											
<=1		1												1	
<=2					1										
<=4								1							
<=8										1					

ANTIMICROBIAL RESISTANCE TABLES FOR INDICATOR ESCHERICHIA COLI

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Cattle (bovine animals) - calves (under 1 year)

Sampling Stage: Slaughterhouse | Sampling Type: animal sample - caecum | Sampling Context: Monitoring

Sampler: Official sampling | Sampling Strategy: Objective sampling | Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.06	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	74	74	74	74	74	74	74	74	74	74	74	74	74	74
MIC	N of resistant isolates	1	1	0	0	0	0	0	0	0	0	3	1	0	0
0.03							4								
0.5														1	32
1									13						4
2		39							2						
4		31	30										2		
8		1	41												
16			1									38			
32			1									22			
>64		1											1		
>1024												3			
<=0.015							70								
<=0.03										74					
<=0.25				74										73	38
<=0.5					74				59						
<=1		2						74							
<=2			1										71		
<=4											74				
<=8						74						11			

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Cattle (bovine animals) - calves (under 1 year)

Sampling Stage: Slaughterhouse | Sampling Type: animal sample - caecum | Sampling Context: Monitoring

Sampler: Official sampling | Sampling Strategy: Objective sampling | Programme Code: ESBL MON pnl2

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	Imipenem	Meropenem	Temocillin
	Cefotaxime synergy test	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent
	Ceftazidime synergy test	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent
	ECOFF	0.125	0.25	0.25	8	0.5	0.5	0.06	0.5	0.125	32
	Lowest limit	0.06	0.25	0.06	0.5	0.25	0.12	0.015	0.12	0.03	0.5
	Highest limit	32	64	64	64	128	128	2	16	16	64
	N of tested isolates	2	2	2	2	2	2	2	2	2	2
MIC	N of resistant isolates	0	2	2	1	2	2	0	0	0	0
0.03								1			
0.12		1									
0.25									1		
1			2	2			2				
2						1					
4						1					1
8					1						
16					1						1
<=0.015								1			
<=0.03										2	
<=0.06		1									
<=0.12									1		

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Cattle (bovine animals) - calves (under 1 year)

Sampling Stage: Slaughterhouse | Sampling Type: animal sample - caecum | Sampling Context: Monitoring

Sampler: Official sampling | Sampling Strategy: Objective sampling | Programme Code: ESBL MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.06	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MIC	N of resistant isolates	2	0	2	2	0	0	0	0	0	0	0	1	0	0
0.03							1								
0.5															1
1				2											
2					1										
4			1		1										
8			1												
16												1			
32												1			
>64		2											1		
<=0.015							1								
<=0.03										2					
<=0.25														2	1
<=0.5									2						
<=1								2							
<=2													1		
<=4											2				
<=8						2									

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Pigs - fattening pigs

Sampling Stage: Slaughterhouse | Sampling Type: animal sample - caecum | Sampling Context: Monitoring

Sampler: Official sampling | Sampling Strategy: Objective sampling | Programme Code: AMR MON pnl2

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	Imipenem	Meropenem	Temocillin
	Cefotaxime synergy test	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent
	Ceftazidime synergy test	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent
	ECOFF	0.125	0.25	0.25	8	0.5	0.5	0.06	0.5	0.125	32
	Lowest limit	0.06	0.25	0.06	0.5	0.25	0.12	0.015	0.12	0.03	0.5
	Highest limit	32	64	64	64	128	128	2	16	16	64
	N of tested isolates	2	2	2	2	2	2	2	2	2	2
MIC	N of resistant isolates	0	0	0	0	0	0	0	0	0	0
0.25									1		
2											1
4					2						1
<=0.015								2			
<=0.03										2	
<=0.06		2		2							
<=0.12							2		1		
<=0.25			2			2					

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Pigs - fattening pigs

Sampling Stage: Slaughterhouse | Sampling Type: animal sample - caecum | Sampling Context: Monitoring

Sampler: Official sampling | Sampling Strategy: Objective sampling | Programme Code: AMR MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.06	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	200	200	200	200	200	200	200	200	200	200	200	200	200	200
MIC	N of resistant isolates	41	1	2	0	6	5	0	1	0	4	50	20	0	39
0.03							6								
0.06										1					
0.12							2								
0.25							3								
0.5				2										1	77
1									37						6
2		87							5						
4		62	94												
8		1	97								2				
16			1			2			1			61			
32			1			4						65			1
>32															38
64											3	14	12		
>64		41											8		
128						1					1	2			
>128						1									
256												1			
1024												1			
>1024												46			
<=0.015							189								
<=0.03										199					
<=0.25				198										199	78
<=0.5					200				157						
<=1		9						200							
<=2			7										180		
<=4											194				
<=8						192						10			

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Pigs - fattening pigs

Sampling Stage: Slaughterhouse | Sampling Type: animal sample - caecum | Sampling Context: Monitoring

Sampler: Official sampling | Sampling Strategy: Objective sampling | Programme Code: ESBL MON pnl2

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Cefepime		Cefotaxim		Cefotaxime + Clavulanic acid		Cefoxitin		Ceftazidim		Ceftazidime + Clavulanic acid		Ertapenem		Imipenem		Meropenem		Temocillin	
	Cefotaxime synergy test	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent
	Ceftazidime synergy test	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent	Positive/Present	Negative/Absent
	ECOFF	0.125	0.125	0.25	0.25	0.25	0.25	8	8	0.5	0.5	0.5	0.5	0.06	0.06	0.5	0.5	0.125	0.125	32	32
	Lowest limit	0.06	0.06	0.25	0.25	0.06	0.06	0.5	0.5	0.25	0.25	0.12	0.12	0.015	0.015	0.12	0.12	0.03	0.03	0.5	0.5
	Highest limit	32	32	64	64	64	64	64	64	128	128	128	128	2	2	16	16	16	16	64	64
	N of tested isolates	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
MIC	N of resistant isolates	4	4	35	35	32	32	27	27	35	35	31	31	0	0	0	0	0	0	0	0
0.03															4						
0.12			10																		
0.25			1										1				5				
0.5							11														
1					13		13				2		10								
2					13		5	2			10		11								8
4					4		2	1		1	11		8							2	7
8		2			1		1		5	2	9		2							1	16
16		1			1				7												1
32									12												
64				2					7												
>64				1					1												
<=0.015														3	28						
<=0.03																		3	32		
<=0.06			21			3															
<=0.12												3				3	27				

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Pigs - fattening pigs

Sampling Stage: Slaughterhouse | Sampling Type: animal sample - caecum | Sampling Context: Monitoring

Sampler: Official sampling | Sampling Strategy: Objective sampling | Programme Code: ESBL MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.06	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	35	35	35	35	35	35	35	35	35	35	35	35	35	35
MIC	N of resistant isolates	35	0	35	35	6	3	0	2	0	0	13	14	0	16
0.03							3								
0.06							2								
0.12							1								
0.5							2							1	14
1				10	1				5						
2				18	13										
4			8	2	13								1		
>4				5											
8			24		7						1				
>8					1										
16			3								4	7			
32						4			1			9			
>32									1						16
64		1				2						5	5		
>64		34											9		
128												1			
>1024												12			
<=0.015							27								
<=0.03										35					
<=0.25														34	5
<=0.5									28						
<=1								35							
<=2													20		
<=4											30				
<=8						29						1			

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from pig - fresh

Sampling Stage: Retail | Sampling Type: food sample - meat | Sampling Context: Monitoring

Sampler: Official sampling | Sampling Strategy: Objective sampling | Programme Code: ESBL MON pnl2

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	Imipenem	Meropenem	Temocillin
	Cefotaxime synergy test	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present
	Ceftazidime synergy test	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present
	ECOFF	0.125	0.25	0.25	8	0.5	0.5	0.06	0.5	0.125	32
	Lowest limit	0.06	0.25	0.06	0.5	0.25	0.12	0.015	0.12	0.03	0.5
	Highest limit	32	64	64	64	128	128	2	16	16	64
	N of tested isolates	1	1	1	1	1	1	1	1	1	1
MIC	N of resistant isolates	1	1	0	0	1	0	0	0	0	0
4					1	1					
8											1
16		1									
64			1								
<=0.015								1			
<=0.03										1	
<=0.06				1							
<=0.12							1		1		

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from pig - fresh

Sampling Stage: Retail | Sampling Type: food sample - meat | Sampling Context: Monitoring

Sampler: Official sampling | Sampling Strategy: Objective sampling | Programme Code: ESBL MON

Analytical Method: Micromethod dilution (in microtiter plate)

Country of Origin: Sweden

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.06	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MIC	N of resistant isolates	1	0	1	1	0	1	0	1	0	0	0	1	0	0
0.5							1								
>4				1											
8					1						1				
16			1												
32												1			
>32									1						
64													1		
>64		1													
<=0.03										1					
<=0.25														1	1
<=1								1							
<=8						1									

OTHER ANTIMICROBIAL RESISTANCE TABLES

Specific monitoring of ESBL-/AmpC-/carbapenemase-producing bacteria and specific monitoring of carbapenemase-producing bacteria, in the absence of isolate detected

Programme Code	Matrix Detailed	Zoonotic Agent Detailed	Sampling Strategy	Sampling Stage	Sampling Details	Sampling Context	Sampler	Sample Type	Sampling Unit Type	Sample Origin	Comment	Total Units Tested	Total Units Positive
CARBA MON	Cattle (bovine animals) - unspecified	Escherichia coli, non-pathogenic, unspecified	Objective sampling	Slaughterhouse	N_A	Monitoring	Official sampling	animal sample - caecum	animal	Sweden	N_A	76	0
	Meat from bovine animals - fresh	Escherichia coli, non-pathogenic, unspecified	Objective sampling	Retail	N_A	Monitoring	Official sampling	food sample - meat	single (food/feed)	Sweden	N_A	289	0
	Meat from pig - fresh	Escherichia coli, non-pathogenic, unspecified	Objective sampling	Retail	N_A	Monitoring	Official sampling	food sample - meat	single (food/feed)	Sweden	N_A	286	0
	Pigs - fattening pigs	Escherichia coli, non-pathogenic, unspecified	Objective sampling	Slaughterhouse	N_A	Monitoring	Official sampling	animal sample - caecum	herd/flock	Sweden	N_A	303	0
ESBL MON	Meat from bovine animals - fresh	Escherichia coli, non-pathogenic, unspecified	Objective sampling	Retail	N_A	Monitoring	Official sampling	food sample - meat	single (food/feed)	Sweden	N_A	289	0